SYMETRI
ADDNODE GROUP

Workstation Recommendations

A guide to help you choose the hardware best suited for your needs

SYMETRI
ADDNODE GROUP

This guide has been designed to help you choose the right hardware for your business needs. It's based on the software you use, the activities you carry out and the types of models/workloads you work with. The recommended hardware has been categorised and ordered as below:

- Admin = Lowest specification for everyday office applications and simple use. Integrated graphics only.
- Entry = For everyday office applications, with entry level graphics and some additional software use.
- Basic = For everyday office applications, with entry level graphics, and higher specification for increased use.
- Standard = For most average design workloads and applications requiring mid-level graphics.
- High = For use with graphics intensive applications, and a high user performance requirement.
- Heavy = For users requiring cutting-edge, top-performing graphics and powerful processing. For a high intensity of work and high-end 3D rendering and virtual reality (VR) applications.

We recommend that you focus on your highest possible workload and base everything else on that. For instance if you work on both 100MB models and 500MB models, look at the hardware that is recommended for the higher workload. Or if you are a heavy Revit user, average AutoCAD user and average Office user, you will need a heavy specification system.

Start by looking at the software you use and/or your primary activities to determine the hardware best suited to your needs.

SOFTWARE

Software	Workload		
	Modest	Average	Demanding
AutoCAD/LT	Entry	Entry	Standard
Revit/LT	Standard	Standard	High
Navisworks	Entry	Entry	Standard
3ds Max	High	High	Heavy
Inventor LT	Entry	Standard	Standard
Inventor Pro	High	High	Heavy
SketchUp	Entry	Entry	Standard
Enscape	Standard	High	Heavy
Adobe Creative Cloud	Entry	Standard	High
Microsoft Office Suite	Admin	Admin	Basic
BIM 360	Admin	Entry	Basic

PRIMARY ACTIVITIES

Activity	Workload
Office Worker*	Admin / Basic
Draughting in AutoCAD	Entry
Working on <100MB Revit models	Entry
Draughting in AutoCAD on large 3D models	Standard
Working on 100MB - 500 MB Revit models	Standard
Working on 500 MB+ Revit models	High
Visualisation (virtual reality, rendering)	Heavy

*Recommended machine will either be admin or basic depending on your workloads.

HARDWARE RECOMMENDATIONS- WORKSTATIONS

Workload	Recommendation
Admin	Dell Optiplex / HP ProDesk  • 3GHz+ Quad Core i5 Processor • 8GB Ram • Integrated UHD 630 Graphics Card • 512GB SSD Disk Space
Entry	Dell Precision 3240 / HP Z2 Mini  • 3.5GHz+ Six Core i7/Xeon Processor • 8GB Ram • NVIDIA Quadro P620/AMD Radeon Pro WX3100 • 512GB SSD Disk Space
Basic	Dell Precision 3650 / HP Z2  • 3.7GHz+ Six Core Xeon Processor • 16GB Ram • NVIDIA Quadro P620/AMD Radeon Pro WX3200 • 512GB SATA M.2 SSD Disk Space
Standard	Dell Precision 3650 / HP Z2  • 3.7GHz+ Six Core Xeon Processor • 16GB Ram • NVIDIA Quadro P2200/AMD Radeon Pro WX3200 • 512GB SATA M.2 SSD Disk Space
High	Dell Precision 3640 or 7920 / HP Z2 or Z4  • 3.7GHz+ Eight Core Xeon Processor • 32GB Ram • NVIDIA Quadro RTX 4000/AMD Radeon Pro W5500 • 512GB SATA M.2 SSD Disk Space
Heavy	Dell Precision 7920 / HP Z8  • Dual 3.7GHz+ 6 Core Xeon • 64GB Ram • NVIDIA Quadro RTX 5000 / AMD Radeon Pro WX9100 • 1TB SATA M.2 SSD

All systems above to run on Windows 10 Professional. If you require further information, please get in touch with us via the details below.

HARDWARE RECOMMENDATIONS- LAPTOPS

Workload	Recommendation
Admin	Dell Latitude 3520 / HP ProBook 450  • 3GHz+ Quad Core i5 Processor • 8GB Ram • Integrated UHD 630 Graphics Card • 512GB SSD Disk Space
Entry	Dell Precision 3560 / HP ZBook Firefly 14  • 3.5GHz+ Six Core i7/Xeon Processor • 8GB Ram • NVIDIA Quadro P620/AMD Radeon Pro WX3100 • 512GB SSD Disk Space
Basic	Dell Precision 3551 / HP ZBook Firefly 14  • 3.7GHz+ Six Core Xeon Processor • 16GB Ram • NVIDIA Quadro P620/AMD Radeon Pro WX3200 • 512GB SATA M.2 SSD Disk Space
Standard	Dell Precision 5560 / HP ZBook Studio  • 3.7GHz+ Six Core Xeon Processor • 16GB Ram • NVIDIA Quadro P2200/AMD Radeon Pro WX3200 • 512GB SATA M.2 SSD Disk Space
High	Dell Precision 7550 / HP ZBook Fury 15  • 3.7GHz+ Eight Core Xeon Processor • 32GB Ram • NVIDIA Quadro RTX 4000/AMD Radeon Pro W5500 • 512GB SATA M.2 SSD Disk Space
Heavy	Please refer back to the hardware recommendations for workstations to support heavy workloads.

All systems above to run on Windows 10 Professional. If you require further information, please get in touch with us via the details below.